

**Patxot i Jubert, Rafel.**

Segon estudi horari de la pluja a Sant Feliu de guixols observacions del Març 1896 al Juny 1923. Barcelona. 1923. 20 p. diagr. 21 $\frac{1}{2}$  cm. (Servei met. de Catalunya. Notes d'estudi. N.º 26.)

**Philotechnus.**

Remarks, for a series of years, on barometrical scales, shewing they are inadequate to predict the weather: the results of these observations exhibited and corrected upon a new and enlarged plan, as also, an improvement proposed on the rain gage; with a few hints of the effects on the weather, by the different directions of the wind. Principally intended for the use of the farmer. Edinburgh. 1814. 51 p. plate (fold.) 21 cm.

**Quénisset, F.**

Instruction pour la photographie des nuages. Juvisy. 1923. 8 p. 28 cm. (Office nat. mét. de France.)

**Rouch, J.**

L'atmosphère et la prévision du temps. Paris. 1923. 204 p. figs. 17 $\frac{1}{2}$  cm.

**Schulz, Bruno.**

Hydrographische Untersuchungen besonders über den Durchlüftungszustand in der Ostsee im Jahre 1922. (Forschungsschiffe "Skagerak" und "Nautius"). Hamburg. 1923. 64 p. figs. plates (part fold.) 29 $\frac{1}{2}$  cm. (Aus dem Archiv der deutschen Seewarte. 41. Jahrg. Nr. 1. 1923.)

**Story of Siccawei observatory.** Fifty years of a great work. n. p. 1923. 2 sheets. illus. 62 $\frac{1}{2}$  cm. (North-China daily news. Christmas suppl. Dec. 15, 1923.)

**Szymkiewicz, Dezydery.**

Études climatologiques. Warszawa. 1923. no. 1-3. 19 p. 24 cm. (Acta soc. bot. Poloniae. v. 1, nr. 4, 1923.)

**Tarazona, D. Ignacio.**

Treinta años (1864-1893) de observaciones efectuadas y deducidas en la estación meteorológica de la universidad de Valencia. Madrid. 1912. 31 p. 24 $\frac{1}{2}$  cm.

**Young, Floyd D.**

Frost protection by artificial mixing of air. p. 125, 132, 136, 138. illus. 34 $\frac{1}{2}$  cm. [Exc.: California citrograph, Los Angeles. v. 9, no. 4, Feb., 1924.]

Protecting citrus orchards against freezing damage. p. 96, 98. port. 35 cm. [Exc.: California citrograph, Los Angeles. v. 9, no. 3, Jan., 1924.]

**RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.**

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*Akademie der Wissenschaften. Sitzungsberichte. Wien. Abt. IIa. Bd. 131, H. 6 & 7. 1922.*

**Ficker, Heinrich.** Die Änderung des Wetters in den verschiedenen Entwicklungsstadien einer Depression. p. 383-415.

**Schlenck, Walter.** Registrierung der elektrischen Leitfähigkeit der Luft in einem Kellerraume. p. 437-443.

*American meteorological society. Bulletin. Worcester, Mass. v. 5. January, 1924.*

**Howe, George F.** The summer and winter weather of selected cities of North America. p. 8-9. [Abstract.]

**Root, Clarence J.** The climatological service and its personnel. p. 11-12.

**Science service.** Goddard's rocket for exploring upper air. p. 15-16.

**Sherier, J. M.** Commercial uses made of weather forecasts. p. 12-13.

**Stupart, Sir Frederic.** History of meteorology in North America since 1848. p. 1-6.

**Switzer, J. Elmer.** Weather types in the climate of Mexico, the Canal Zone and Cuba. p. 9-11. [Abstract.]

**Ward, R. deC.** A cruise with the international ice patrol. p. 7-8. [Abstract.]

*Annalen der Hydrographie und maritimen Meteorologie. Hamburg. 51. Jahrg. 1923.*

**Lammert, Luise & Schreiber, Kurt.** Über Wolkenbeobachtungen. p. 239-242. (Okt.)

**Meissner, Otto.** Der Einfluss der Lutdruckverteilung über der Ostsee auf den Wasserstand der deutschen Stationen. p. 263-266. (Nov.)

**Petersen, P.** Die Eisverhältnisse an den deutschen Küsten während des Winters 1922/23. p. 225-228. (Nov.)

**Petersen, P.** Die Eisverhältnisse des Winters 1922/23 in den ausserdeutschen europäischen Gewässern. p. 257-262. (Nov.)

*Archives des sciences physiques et naturelles. Genève. v. 5. Novembre-décembre 1923.*

**Gautier, Raoul.** Anomalies climatologiques du mois d'octobre 1923. p. 111-112. [Abstract.]

*Association of American geographers. Annals. Albany, N. Y. v. 13. December, 1923.*

**Huntington, Ellsworth.** Influenza, an example of statistical geography. p. 210-211. [Abstract.]

**Parkins, A. E.** The temperature region map. p. 214-215. [Abstract.]

**Visher, Stephen Sargent.** The laws of winds and moisture. p. 169-207.

**Visher, Stephen Sargent.** Some effects of the tropical cyclones of the Pacific. p. 216. [Abstract.]

*Boletim de agricultura. São Paulo. Serie 24a. Março e abril de 1923.*

**Mattos, J. N. Belfort.** Climas regionaes. I. O clima da estação do Prata. p. 145-152.

*Cairo scientific journal. Cairo, Egypt. v. 12. November, 1923.*

**Bliss, E. W.** Notes on forecasting weather. p. 35-37.

*Ciel et terre. Bruxelles. 39. année. Décembre 1923.*

**Lagrange, E. Arthur Boutquin.** p. 261-263. [Obituary. With portrait.]

*Electrical world. New York. v. 83. 1924.*

**Diehl, George S.** Prevention of sleet trouble on high-tension lines. p. 192-193.

**Norinder, H.** Electric thunderstorm field researches. Investigation shows that good line and transformer insulation affords better protection against surges and is superior to horn gaps and lightning arresters. p. 223-226.

*Engineering news-record. New York. v. 92. February 7, 1924.*

**Church, J. E., Jr.** Snow density in relation to runoff. p. 234. [Abstract.]

*France. Académie des sciences. Comptes rendus. Paris. t. 178. 1924.*

**Bigourdan, G.** Organisation d'une expérience sur la propagation du son jusqu'aux grandes distances. Effets divers produits par de puissantes explosions. p. 25-28. (2 janv.)

**Fournier, F.-E.** Particularités inédites des baisses barométriques dans les observatoires, sur le passage des cyclones et des typhons. p. 28-30. (2 janv.)

**Furon, Raymond.** Sur le climat de l'est de l'Afghanistan. p. 110-111. (2 janv.)

**Rempp, G.** Le vent dans les vallées et la théorie du fœhn. p. 112-114. (2 janv.)

**Karpfen, Vasilescu.** Sur l'emploi des fluctuations horizontales du vent par les oiseaux voliers. p. 191-192. (7 janv.)

**Rempp, J.** La variation diurne de la direction du vent à Strasbourg et la théorie du fœhn. p. 221-223. (7 janv.)

**Rateau, A.** Sur le vol à voile contre le vent. p. 280-285. (14 janv.)

**Bureau, R.** Origine météorologique de certaines perturbations des récepteurs de télégraphie sans fil. p. 558-558. (4 févr.)

*Journal of scientific instruments. London. v. 1. October, 1923.*

**Filon, L. N. G.** The measurement of true height by aneroid. p. 1-8.

**Schuster, E. H. J.** A new recording kata-thermometer. p. 30.

*Meteorologia pratica. Montecassino. anno. 4. Settembre-dicembre 1923.*

**Ferrara, G.** Saggio di fisio-patologia meteorica. p. 187-190.

**Paoloni, B.** Metodo per osservare gli atmosferici della radio-telegrafia. p. 193-197.

**Cristo, Giuseppe De.** Di alcuni temporali memorabili occorsi in Calabria. p. 197-202.

**Eredia, Filippo.** Sui temporali della valle Padana nel luglio 1923 e necessità di nuovi studii. p. 190-193.

- Meteorological magazine. London. v. 58. November, 1923.*  
 Bilham, E. G. A remarkable wind record—Southport, August 29th–30th, 1923. p. 234–236.
- Boys, H. A. Weather parallels. p. 233.
- International cloud week. p. 221–223.*
- Spence, M. T. Recent researches on the constituents of the upper atmosphere. p. 223–226.
- Williams, Inigo R. Rainfall insurance. p. 230–232.
- Meteorologische Zeitschrift. Braunschweig. Bd. 40. Dezember 1923.*
- Baur, F. Über eine Trennungsfäche kalter und warmer Luft in der Stratosphäre. p. 366–367. [Abstract.]
- Bongards, H. Radioaktive Substanzen und Massestrahlung in der Erdatmosphäre. p. 367. [Abstract.]
- Ficker, H. v. Prof. Dr. Otto Freybe. p. 368–369. [Obituary.]
- Georgii, W. Reibungsaufwind an Küstwind. p. 369–370.
- Groissmayr, Fritz. Über Extremtemperaturen. p. 372–373.
- Grosse. Der Gang der meteorologischen Elemente in den Jahreszeiten und im Jahr. 378–381.
- Huber, A. Der Südostwind der Zugspitze. p. 368. [Abstract.]
- Kalitin, N. N. Die Wärmesummen der Sonnenstrahlung für Pawłowsk. p. 353–358.
- Kassner, C. Bericht über die 14. allgemeine Versammlung der deutschen meteorologischen Gesellschaft zu Berlin am 1. und 2. Oktober, 1923. p. 362–365.
- Korzenewsky, N. Ein seltener Fall abnormer Strahlenbrechung. p. 374–375.
- Peppler, W. Das Alto-Stratus- und Alto-Cumulus-Niveau und seine doppelte Schichtung. p. 358–362.
- Pollak, L. W. Über die Konstruktion und Verwendung eines Photothermohygrometers. p. 368. [Abstract.]
- Schmauss, A. Die Lebensdaten der mitteleuropäischen Depressionen. p. 366. [Abstract.]
- Wegener, Alfred. Das Wesen der Baumgrenze. p. 371–372.
- Weickmann, Die Anwendung der Bjerknesschen Methode auf Mitteleuropäische Verhältnisse. p. 365–366. [Abstract.]
- Wigand, A. Über die vertikale Sicht. p. 365. [Abstract.]
- Wigand, A. Über Flugzeug-Aerologie. p. 367–368. [Abstract.]
- Zimmermann, R. Die Höhe einer irisierenden Alto-Cumuluswolke. p. 373–374.
- Zistler, P. Weitere Ergebnisse des türkischen Heereswetterdienstes: Temperaturverhältnisse, Schirokko. p. 367. [Abstract.]
- National academy of sciences. Proceedings. Washington, D. C. v. 10. January, 1924.*
- Trowbridge, C. C. Spectra of meteor trains. p. 24–41. [With bibliography.]
- Nature. London. v. 113. 1924.*
- M. Gustave Eiffel. p. 21. (Jan. 5.) [Obituary.]
- Gregory, Richard. British climate in historic times. p. 99. (Jan. 19.) [Abstract.]
- Turner, H. H. Dr. O. Klotz. p. 90–91. (Jan. 19.) [Obituary.]
- Simpson, G. C. Thunderstorms, mammato clouds, and globular lightning. p. 82. (Jan. 19.)
- Armstrong, Henry E. Problems of hydronie and water: the origin of electricity in thunderstorms. p. 124–126. (Jan. 26.)
- Davison, C. Prof. Fusakichi Omori. p. 133. (Jan. 26.)
- Duffield, W. G. The formation of cumulus cloud above bush-fires. p. 126. (Jan. 26.)
- [Walker, Gilbert T.] Long-range weather forecasting. p. 131–132. (Jan. 26.) [In India.]
- Simpson, G. C. Weather forecasts. p. 151–152. (Feb. 2.) [Brief history of methods.]
- Sund, Oscar. Snow and the survival of cod fry. p. 163–164. (Feb. 2.)
- Bonacina, L. C. W. The geographical distribution of snowfall. p. 210. (Feb. 9.)
- Naturwissenschaften. Berlin. 12. Jahrg., 4. Januar 1924.*
- Albrecht, Hygrometrische Widerstände. p. 19–20. [Abstract.]
- Petermanns Mitteilungen. Gotha. 69. Jahrg. 1923.*
- Eckardt, Wilhelm R. Klimatologische Sonderfragen. p. 61–64 (3./4. H.) p. 109–110. (5./6. H.)
- Popular astronomy. Northfield, Minn. v. 32. February, 1924.*
- Trowbridge, C. C. Notes on auroras and magnetic disturbances. p. 78–87. [Posthumous paper . . . rev. & ed. by Mabel Weil.]
- Reale accademia dei Lincei. Atti. Roma. Rendiconti. v. (5) 32. 1923.*
- Somigliana, C. Per l'interpretazione fisica di alcune curve de velocità nel moto di discesa dei ghiacciai. p. 25–30. (fasc. 1–2.)
- Aurino, S. Osservazioni dei punti neutri della polarizzazione atmosferica eseguite a Napoli nel 1922. p. 71–75. (fasc. 3–4.)
- Amerio, Alessandro. L'attività del sole e la costante solare. p. 391–394. (fasc. 11.)
- Marini, L. La nuvolosità sull' Adriatico. p. 612–615. (fasc. 12.)
- Royal anthropological institute of Great Britain and Ireland. Journal. London. v. 53. January to June, 1923.*
- Thomson, Arthur, & Buxton, L. H. Dudley. Man's nasal index in relation to certain climatic conditions. p. 91–122.
- Royal astronomical society of Canada. Journal. Toronto. v. 17. November–December, 1923.*
- Chant, Jean L. The shadow bands at the Australian eclipse. p. 379–382.
- Henderson, J. P. Aurorae and radio. p. 374–378.
- Jackson, W. E. W. Aurorae, sun spots and magnetic variations during 1921. p. 361–365.
- Royal society of London. Proceedings. London. series A. v. 104. December, 1923.*
- Roberts, O. F. T. The theoretical scattering of smoke in a turbulent atmosphere. p. 640–654.
- Sociedad astronómica de España y América. Revista. Barcelona. Año 13, 1923.*
- Selga, Miguel. Circunstancias notables de un halo lunar. p. 65–66. (Sept.–oct.)
- Selga, Miguel. Forma de publicación de observaciones actinométricas. p. 67–71. (Sept.–oct.)
- Solá, José Comas. El desastre del Japón. p. 71–72. Sept.–oct.)
- Navarro [-Neumann], Manuel María S. Calajes y puestas de sol. p. 81–82. (Nov.–dic.)
- Selga, Miguel. La rosa de los vientos. p. 89–91. (Nov.–dic.)
- Technique aéronautique. Paris. 15. année, 15 janvier 1924.*
- Anxionnaz. Le vol à voile. Conception théorique du vol statique et du vol dynamique. p. 2–6.
- U. S. air services. Washington, D. C. v. 9. February, 1924.*
- Van Zandt, J. Parker. Winds at night and at high altitudes. Extracted from The winds of Oklahoma and East Texas, by J. A. Riley in the Monthly weather review. p. 39–40.
- U. S. Lighthouse service. Bulletin. Washington, D. C. v. 3. February, 1924.*
- Radio fog signals abroad. p. 9–10.
- Zeitschrift für angewandte Geophysik. Berlin. Bd. 1, Dezember 1923.*
- Lutz, C. W. Ein einfaches Verfahren zur Messung des luftelektrischen Potentialgefälles. p. 218–222.
- Tams, E. Zur Frage der täglichen Perioden in der Strossfrequenz der vogtländischen Erdbebenschwärme. p. 193–213.
- Weilmann, Hermann. Untersuchungen über die Perioden der Nachläufer in Fernbebenregistrierungen auf Grund der Hamburger sowie geeigneter auswärtiger Beobachtungen. p. 214–217.